Supplementary material

Recovery of flexible polyurethane foam waste for efficient reuse in industrial formulations

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Figure 1S. Glycolysis product obtained from flexible PU foam waste and diethylene glycol at 1:1 (w/w) ratio, in autoclave (image at right), compared to the virgin polyol (image at left)

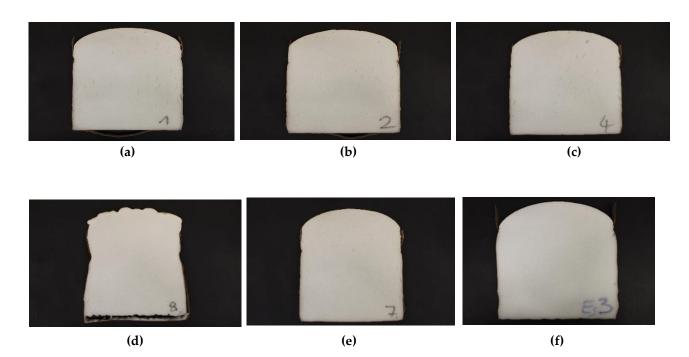


Figure 2S. Images of the reference polyether-based polyurethane foam (a); polyether-based polyurethane foams obtained with 1% recycled polyol from 25% PU waste EXP 2 (b), respectively from 50% PU waste EXP 5 (c); polyether-based polyurethane foams obtained with 5% recycled polyol from 25% PU waste EXP 2 (d), respectively from 50% PU waste EXP 5 (e); polyether-based polyurethane foams obtained with 5% recycled polyol from 50% PU waste and optimized formulation EXP 6 (f)